

Date Opened: 08 January 2013
Job #: 827
Project: Extended Maintenance Steps
Type: Eurocopter AS350/AS355
Approval: SH09-38
Drawing List: DCL827-1 Rev. 5, DCL827-11, Rev. 3

<u>Fabrication and Assembly Drawing(s)</u>	<u>Description</u>
82711, Rev. 0	Extended Maint. Step Assembly
82720, Rev. 1	Step Bracket Fabrication

Complete material tracking information on attached pages.

Work Order pre-completion Inspection:

Project is on Approval Limitation Record:	Y
Document Control List revision level matches (or exceeds) STC:	Y
Drawings revision levels match Document Control List:	Y
Purchase order or Work order source is recorded for each part/ass'y:	Y
Tests and inspections specifically called out on drawings are complete:	Y
Release tags associated with all fabricated parts are attached:	Y
All mounting hardware and supplies are included:	Y

List all non-conformities raised: _____

Inspector Signature: _____ Date: _____


Drawing: 82711 Revision 0
Assembly: 82711-01-01 / 82711-01-02
Batch Quantity: 5 RH / 5 LH

Qty	Part #	Description	Material	P.O./W.O.	Checked
5	82711-01-01	RH Extended Maintenance Step Assembly			
5	82711-01-02	LH Extended Maintenance Step Assembly			
. A/R	78230	Step Extrusion		8021	
. 1	82720-01	Step End (RH)	6061-T6 Aluminum, 3.5 x 1 bar	12003	
. 1	82720-02	Step End (LH)	6061-T6 Aluminum, 3.5 x 1 bar	12003	
. 1	82720-03	Step Bracket	6061-T6 Aluminum, 3.5 x 1 bar	12003	
. 1	82720-04	Cap	6061-T6 Aluminum, 0.125 Sheet	12058	
. 4	3591-6CN563	Self-locking helicoil		12080	
. 4	96710-01	Stud Fitting (Alternate to 40088-14)		WO2012-44	
. 8	NAS1149F0663P	Washer		12108	

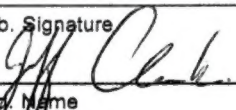
Processes	Per	Mat'ls Used	Initials
Welding	AMS2685C	ER4043 Rod	
Final Inspection	Drawing 82711		

Tag incomplete parts with Work Order # when stored between processes.

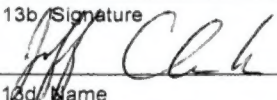
Tag complete parts / assemblies with Release Tag prior to storage.

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No.	
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO2013-03	
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work	
	Ext. Maint. Step Assy	82711-01-02	1	N/A	New	
12. Remarks LH, Black						
13a. Certifies that the items identified above were manufactured in conformity to:			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12			
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.			
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 17 Feb 2014		14d. Name		14e. Date (dd/mmm/yyyy)
<p style="text-align: center;">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

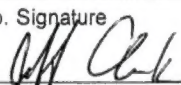
WTS

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No.	
4. Organization Name and Address AERO Design Ltd. – 2013 39th Avenue NE, Calgary, Alberta, T2E 6R7					5. Work Order/Contract/Invoice WO2013-03	
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work	
1.	RH Ext. Maint. Step	82711-01-01	1	N/A	New	
2.	LH Ext. Maint. Step	82711-01-02	1			
12. Remarks						
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.				 14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations. 		
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jeff Clarke		13e. Date (dd/mmm/yyyy) 12 Apr 2013		14d. Name		14e. Date (dd/mmm/yyyy)
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CAPITALE

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No.
4. Organization Name and Address AERO Design Ltd. – 2013 39th Avenue NE, Calgary, Alberta, T2E 6R7					5. Work Order/Contract/Invoice WO2013-03
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work
1.	RH Ext. Maint. Step	82711-01-01	1	N/A	New
2.	LH Ext. Maint. Step	82711-01-02	1		
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to:			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12		
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature 		13c. Approved Organization Number AMF 73-04		14c. Approved Organization Number	
13d. Name Jeff Clarke		13e. Date (dd/mmm/yyyy) 22 May 2013		14e. Date (dd/mmm/yyyy)	
<p style="text-align: center;">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

CAPITAL

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No.	
4. Organization Name and Address AERO Design Ltd. – 2013 39th Avenue NE, Calgary, Alberta, T2E 6R7					5. Work Order/Contract/Invoice WO 2013-03	
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work	
	RH Ext. Maint. Step	82711-01-01	3	N/A	New	
12. Remarks						
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.				14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jeff Clarke		13e. Date (dd/mmm/yyyy) 24 Apr 2103		14d. Name		14e. Date (dd/mmm/yyyy)
<p style="text-align: center;">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

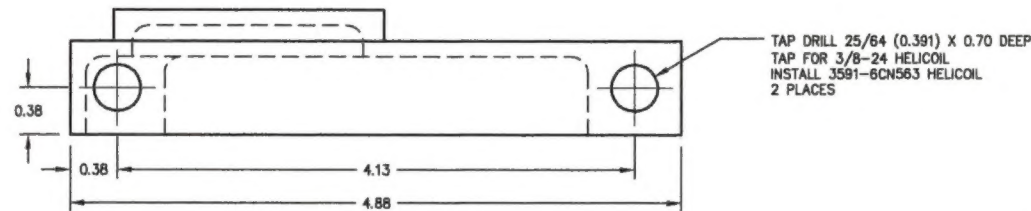
CAPITALE



WO# 2013-03

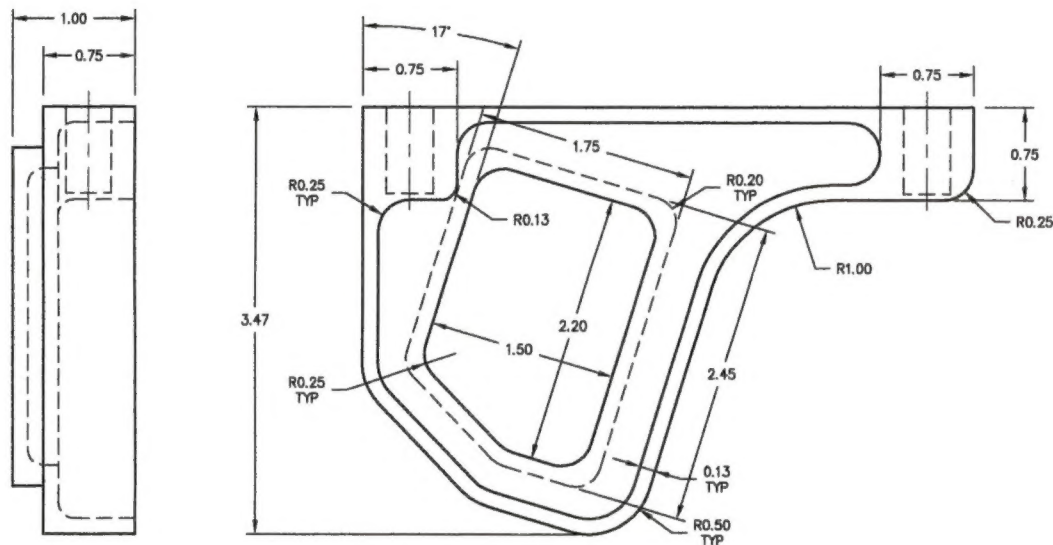
Approved Manufacturing Facility 73-04

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	ADD BRACKET (ITEM 3), ADD CAP (ITEM 4), ADD SHEET 2	BJC	29/11/2012
2	TITLE BLOCK UPDATED; CAP (04) UPDATED	BJC	22/07/2014



NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. PART IS TO BE CNC MACHINED USING DRAWING AS A TEMPLATE.



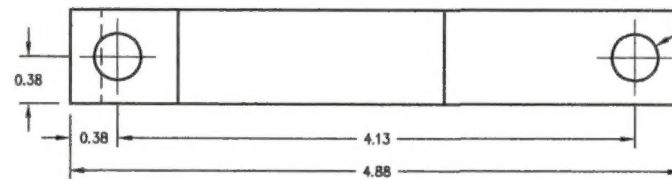
① STEP END (LEFT)
② STEP END (RIGHT)
LEFT (01) SHOWN, RIGHT (02) OPPOSITE
SEE NOTE 2

2	2	3591-6CN563	SELF LOCKING HELICOIL			
		82720-02	02 STEP END (RIGHT)	6061-T6 ALUMINUM	QQ-A-200/B	3.5 X 1 BAR
		82720-01	01 STEP END (LEFT)	6061-T6 ALUMINUM	QQ-A-200/B	3.5 X 1 BAR
02	01	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC STOCK SIZE

NOTICE

NOTICE
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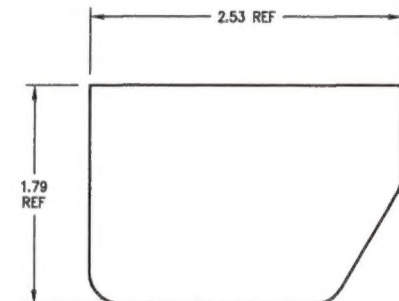
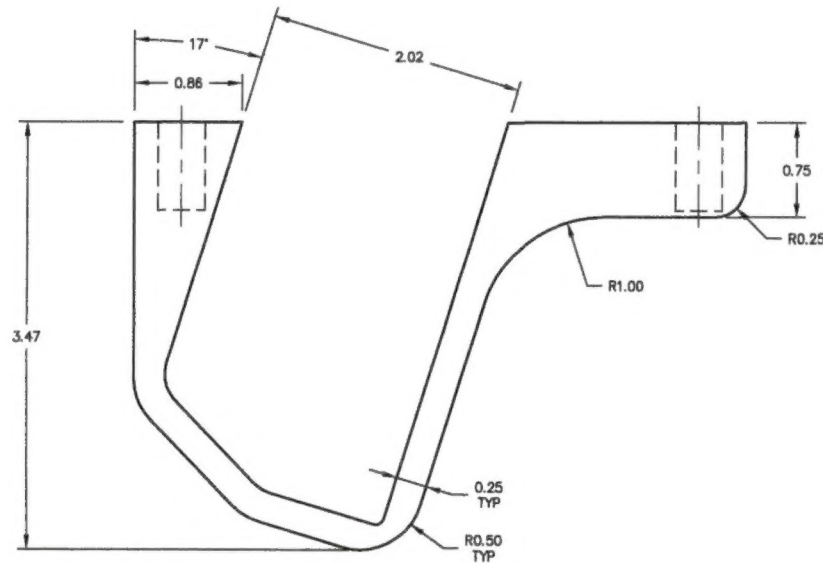
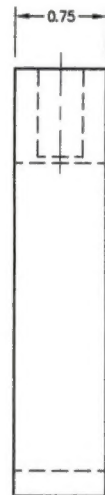
REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	ADD BRACKET (ITEM 3), ADD CAP (ITEM 4), ADD SHEET 2	BJC	29/11/2012
2	TITLE BLOCK UPDATED; CAP (04) UPDATED	BJC	22/07/2014



TAP DRILL 25/64 (0.391) X 0.70 DEEP
TAP FOR 3/8-24 HELICOIL
INSTALL 3591-6CN563 HELICOIL
2 PLACES

NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. PART IS TO BE CNC MACHINED USING DRAWING AS A TEMPLATE.



04 END CAP

PROFILE TO FIT 0.05 SMALLER
THAN OUTSIDE OF EXTRUSION 78230

03 STEP BRACKET

SEE NOTE 2

	2	3591-6CN563		SELF LOCKING HELICOIL			
		82720-04	04	END CAP	6061-T6 ALUMINUM	QQ-A-250/11	0.125 SHEET
		82720-03	03	STEP BRACKET	6061-T6 ALUMINUM	QQ-A-200/B	3.5 X 1 BAR
04	03	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
QTY	QTY	LIST OF MATERIALS					

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APPROVALS	DATE
DRAWN: JEFF CLARKE	10 JULY 2008
CHECKED: E. BURGAIN	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ON:

DECIMALS	ANGLES
X.XXX ±0.010	±1/2°
X.XX ±0.03	
X.X ±0.1	

SCALE 1 : 1	DWG. SIZE	DWG. NO.	REV.
SHEET 2 OF 2	A3	82720	2

AERO DESIGN LTD.

9888A MALASPINA ROAD
POWELL RIVER, BC, CANADA, V8A 0G3
TEL: 804.483.2378 www.aerodesign.ca

EUROCOPTER AS350 & AS355 SERIES
QUICK RELEASE STEP INSTALLATION
STEP BRACKET FABRICATION

